

Remote Programming Power-Up Guide



POWER-UP



SmartDispenser™
21st Century Dispensing



FISHMAN®
Dispensing Innovation™

Thank you for purchasing the **SmartDispenser™**

THE FUTURE OF FLUID DISPENSING.

This setup guide is designed to help Users quickly and easily get the SmartDispenser™ system installed and running.

If you are unsure of any step or have questions, consult your SmartDispenser™ Setup Guide, contact your Fishman distributor, or call us at one of the numbers below.

US & Canada: 800-433-2115

United Kingdom: 1905 456008

Europe: +441905 456008

Worldwide: 1-508-435-2115



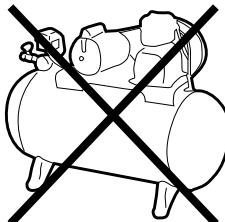
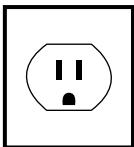
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1.0 Prepare your workspace for the SmartDispenser™

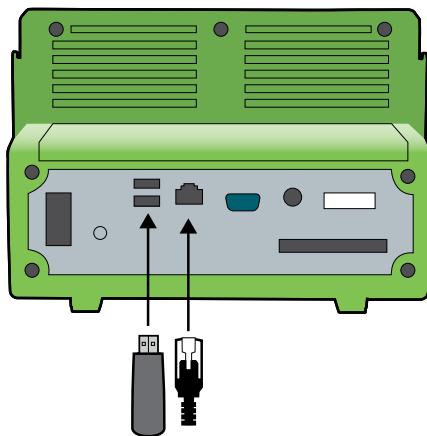
1.1

Be sure your work area has access to electrical power. You will not need compressed air. The SmartDispenser™ works without air.



1.2

The SmartDispenser™ utilizes a WiFi (USB WiFi adapter included) or Ethernet connection via the back panel for networking, App downloads, software updates and real time production data over the cloud.



2.0 Unpack your SmartDispenser™ System

2.1

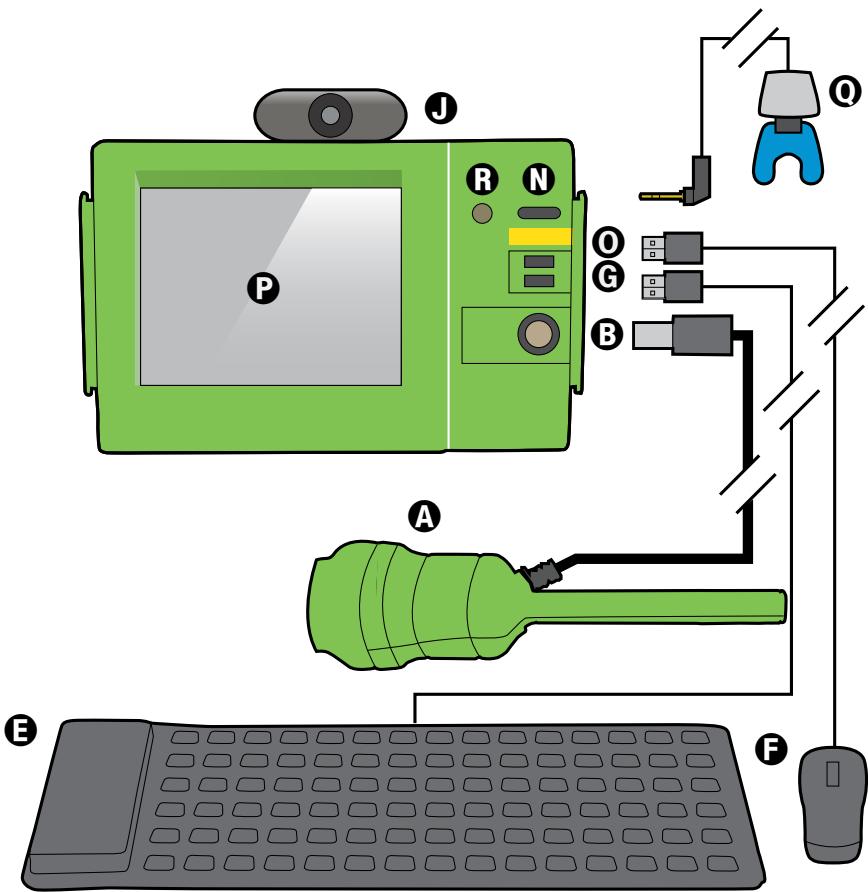
Remove all items from the box.

2.2

Use the checklist provided to confirm that all components are present.

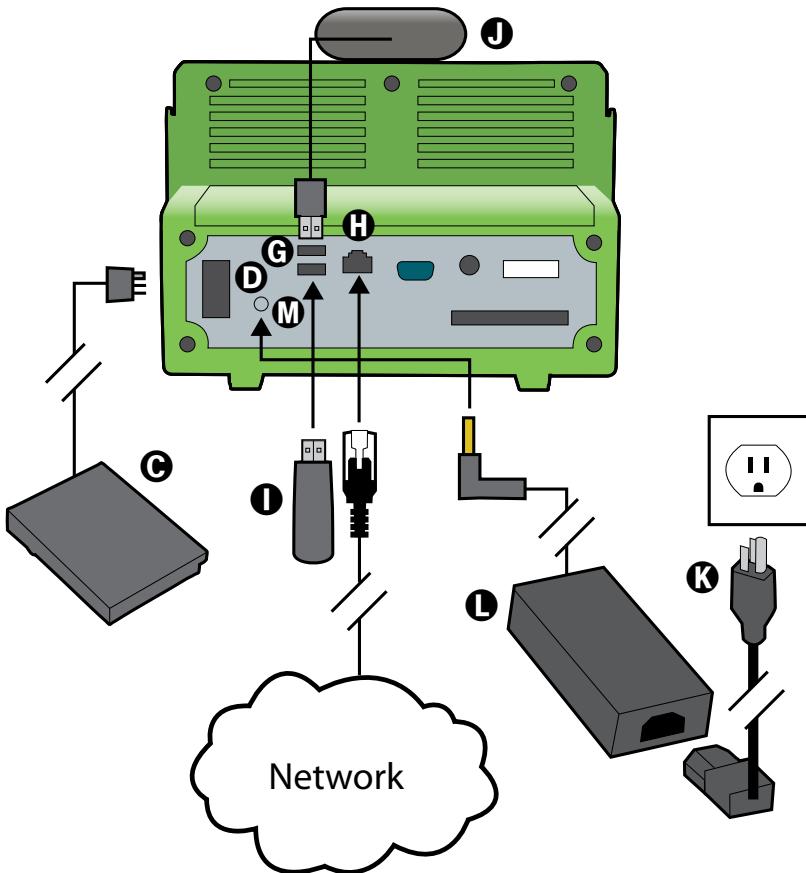
3.0 Hook up your SmartDispenser™ components

3.1 Refer to the diagram to connect all components and peripheral devices to the SmartDispenser™.



SmartDispenser™ Components

A. Dispense Gun	H. Ethernet Port	M. Power Supply Connector
B. Gun Connector	I. Cisco Wireless Connectivity Device	N. On/Off Button
C. Foot Pedal	J. Video Camera	O. Power Light
D. Foot Pedal Connector	K. Power Cord	P. Touch Screen
E. Keyboard	L. Universal Power Supply	Q. Earphone
F. Mouse		R. Earphone Port
G. USB connectors		



- 3.2** Plug SmartDispenser™ dispense gun **A** into gun connector **B** located on the front of the SmartDispenser™.
- 3.3** Place the foot pedal **C** on the floor and plug it into the foot pedal input connector **D** located on the back of the SmartDispenser™.
- 3.4** Connect the system keyboard **E** and mouse **F** using one of the four USB connectors **G** located on the front and back of the SmartDispenser™.
- 3.5** Connect your SmartDispenser™ to an Ethernet network using the Ethernet port **H** found on the back of the unit. If you have a wireless network, install the supplied wireless connectivity device **I** in one of the USB connectors **G** located on the front and back of the unit.
- 3.6** Plug the supplied video camera **J** into one of the four USB connectors **G** located on the front and back of the SmartDispenser™.
- 3.7** Connect the power cord **K** to the universal power supply **L**.
- 3.8** Connect the universal power supply **L** to the power supply connector **M** on the back of the SmartDispenser™. Plug the power cord **K** into a power outlet.
- 3.9** Connect the 2.5mm earphone **Q** to earphone port **R**.

4.0 Startup and Logon the LDS9000 Traditional Mode of SmartDispenser™

4.1 Press the black startup button **N** on the front of the SmartDispenser™. The green power light will illuminate **O**. The system software will now begin to boot up and in approximately 1 minute the Windows 7 Logon screen will display.



4.2 Contact Administrator/Supervisor and inform them the SmartDispenser™ is ready for programming.

4.3 Once you receive notification from the Administrator/Supervisor the system is programmed, proceed to section 5 - page 10.

5.0 Setting up a programmed SmartDispenser™

5.1 In a few moments, you will be required to fill a Genius™ barrel and piston with your assembly fluid. Refer to syringe filling videos for proper filling instruction. Tap/click Video icon. On the left navigation panel, tap click “Videos” and select one of the listed syringe filling videos.



5.2 Tap/click on the User icon.



5.3 On home screen Tap/click on the *LDS9000 Traditional Mode* icon.





5.4

Make sure "User" appears in drop down menu and tap/click "Logon".

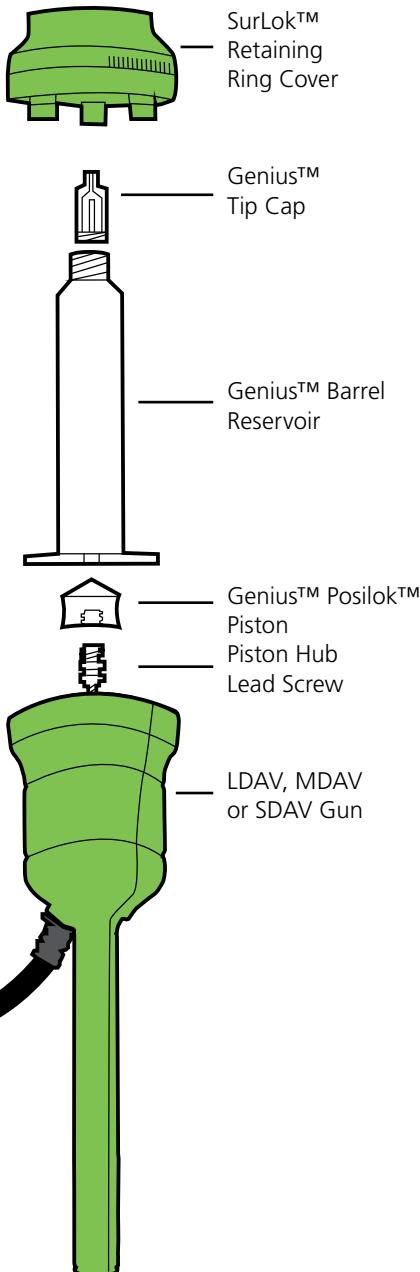
6.0 LDAV, MDAV or SDAV Gun Assembly

6.1

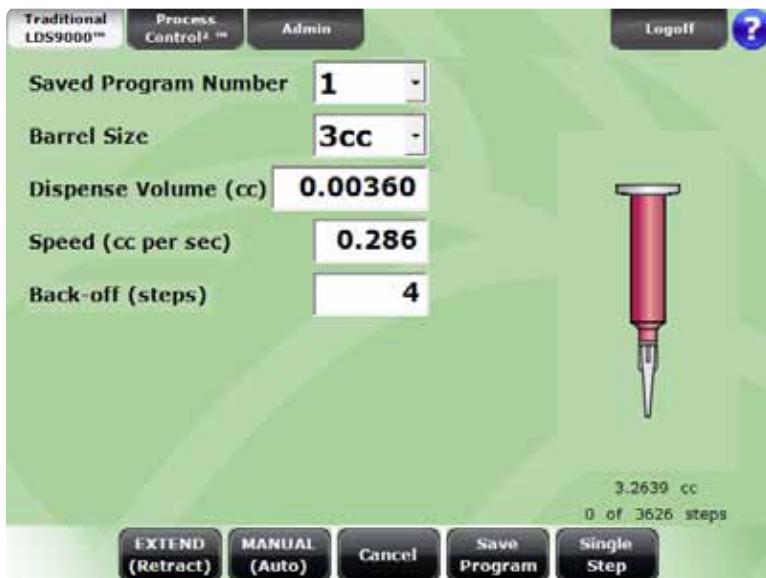
The SmartDispenser™ dispense guns are available in different configurations.

- **LDAV (Large Dot Any Viscosity)**
- **MDAV (Medium Dot Any Viscosity)**
- **SDAV (Small Dot Any Viscosity)**

The gun connectors are identical for easy hook-up to the SmartDispenser™.



7.0 Attach the Genius™ Barrel Reservoir to LDAV, MDAV or SDAV Gun

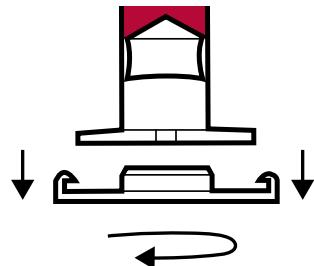


7.1 Verify the *AUTO*(*Manual*) button is set to *MANUAL*(*Auto*). Verify the *EXTEND(Retract)* button is set to *EXTEND(Retract)*.

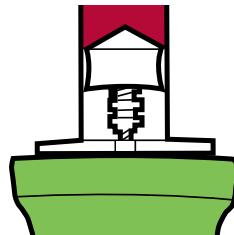
**MANUAL
(Auto)**

**EXTEND
(Retract)**

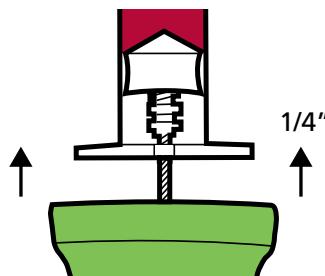
7.2 Remove the seal from the Genius™ barrel reservoir pre-filled with your assembly fluid.



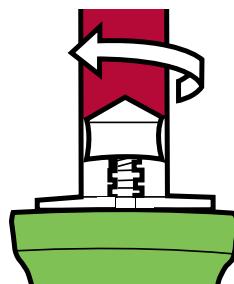
7.3 Holding the dispensing gun with the piston hub pointed upward, place the barrel reservoir over the piston hub of the dispensing gun.



7.4 Holding both barrel reservoir and dispense gun loosely, step on the foot pedal until the barrel reservoir ears are raised at least $1/4"$ (6.35 mm) above the plate.



7.5 Manually twist the barrel reservoir in a clockwise direction until the luer lock connector is finger tight and the ears of the barrel reservoir are flush against the retaining plate.

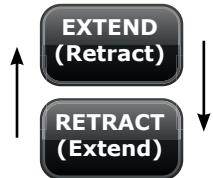


CAUTION:

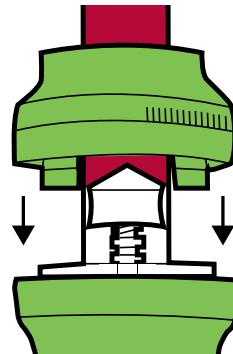
Do not over-tighten the barrel reservoir. It is only necessary to make a loose connection to bring the barrel reservoir flush. The retaining ring holds the barrel reservoir in place.

TIP:

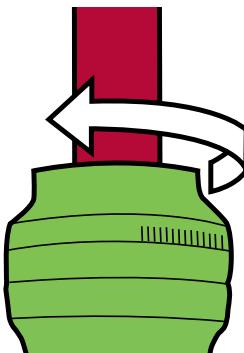
It may be necessary to tap/click the *EXTEND(Retract)* button to *RETRACT(Extend)* and step on the foot pedal to bring the ears completely flush to the retaining plate. If you set the switch to *RETRACT(Extend)*, be sure it is set back to *EXTEND(Retract)* before proceeding.

**7.6**

Slide the retaining ring cover over the Genius™ barrel reservoir and align the legs with the open slots of the adapter plate.

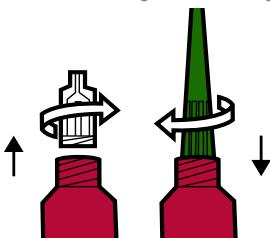
**7.7**

Rotate the retaining ring cover in a clockwise direction until it locks in place. The barrel reservoir is now firmly connected to the dispenser gun.



8.0 Prime the Genius™ FreeFlow™ Dispense Tip

8.1 Remove tip cap from the barrel by twisting counter-clockwise and pulling. Attach the 18G green Genius™ FreeFlow™ Tapered Tip provided in the Dispense Tip kit.



8.2 Hold the dispense tip over the provided dot chart as shown, press the foot pedal intermittently until the fluid begins to flow towards the end of the Genius™ FreeFlow™ tip.

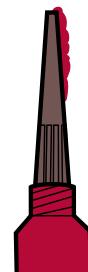
Goal: To stop the fluid when flush with the end of the Genius™ FreeFlow™ tip with no air pockets.

Tip: Genius™ all plastic FreeFlow™ tips work best. There are multiple size tips indicated by color. To find the tip that works best increase or decrease gauge size. If a stainless steel dispense tip is necessary always use .25" length tip.

8.3 If too little fluid: Continue to press on the foot pedal intermittently causing the fluid to flow to the tip.



8.4 If too much fluid: On the control panel, tap/click the **EXTEND(Retract)** button to **RETRACT(Extend)**.



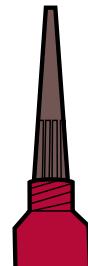
**EXTEND
(Retract)**

**RETRACT
(Extend)**

8.5 Step on the foot pedal in small short pulses until the fluid stops flowing from the tip.

Goal: To stop the forward motion of the fluid by retracting the piston and sucking the fluid back.

8.6 Clean the tip so it appears as pictured.



**RETRACT
(Extend)**

**EXTEND
(Retract)**

8.7 On the control panel, tap/click the **RETRACT(Extend)** button to **EXTEND(Retракt)**.

8.8 Tap/click **MANUAL(Auto)** button to **AUTO(Manual)**.

**MANUAL
(Auto)**

**AUTO
(Manual)**

8.9 Ask Supervisor/Administrator if the program was saved in Traditional LDS9000 or ProcessControl².

8.10 If Traditional tap/click the Traditional LDS9000 tab.

Traditional
LDS9000™

Process
Control^{2™}

8.11 If ProcessControl² tap/click the ProcessControl² tab.

YOU ARE NOW READY TO DISPENSE.



SmartDispenser™

Meets applicable CE requirements.

User Manual

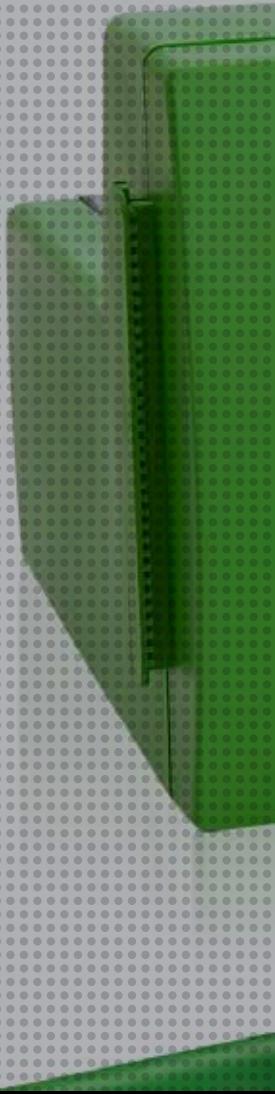
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